

TABLE 4

Nassau County Department of Health

REQUIRED ROUTINE MONITORING AT WATER SUPPLY TREATMENT FACILITIES

2015

TREATMENT PROVIDED	TYPE OF ANALYSIS [1]	MONITORING FREQUENCY Raw & Treated Samples must be collected at the same time	
		RAW [2]	TREATED [3]
PACKED TOWER AERATION (Air Stripping) AND/OR GRANULAR ACTIVATED CARBON (GAC)	PRINCIPAL ORGANIC COMPOUNDS (POCs)	QUARTERLY if treated POC levels <50% MCL MONTHLY If treated POC levels ≥50% MCL (Analyze for complete POC listing)	MONTHLY if treated POC levels <50% MCL WEEKLY if treated POC levels ≥ 50% MCL (Analyze for POCs in raw water only)
	SPECIFIC ORGANIC COMPOUNDS (SOCs)	QUARTERLY if treated SOC levels <50% MCL MONTHLY If treated SOC levels ≥50% MCL (Analyze for SOCs detected in required semi-triennial samples only)	MONTHLY if treated SOC levels <50% MCL WEEKLY if treated SOC levels ≥50% MCL (Analyze for SOCs in raw water only)
	BACTERIOLOGICAL (MIC)	QUARTERLY	QUARTERLY [4]
	INORGANIC (IOCs)	ANNUALLY	ANNUALLY for GACs (Not required for PTAs)
	<u>SPECIAL SAMPLING FOR GACs:</u> If raw and/or treated Nitrate level is 5 to <8 mg/l If raw and/or treated Nitrate level is 8 to <9 mg/l Note: If raw and/or treated Nitrate level is ≥ 9 mg/l: remove well and treatment from service until approved for operation by NCDH. If raw Perchlorate is ≥ 5 ug/l	QUARTERLY Nitrate Sample MONTHLY Nitrate Sample QUARTERLY Perchlorate sample	QUARTERLY Nitrate Sample from each GAC/battery of GACs MONTHLY Nitrate sample from each GAC/battery of GACs QUARTERLY Perchlorate sample
IRON/MANGANESE REMOVAL	IRON AND/OR MANGANESE	MONTHLY [5]	MONTHLY [5]
NITRATE REMOVAL OR NITRATE BLENDING	NITRATE	MONTHLY [5] From all treated or blended wells	MONTHLY [5]
PERCHLORATE REMOVAL OR BLENDING	PERCHLORATE	MONTHLY	MONTHLY

Notes: [1] All analyses must be performed by a NYSDOH approved laboratory with results sent to NCDH.

[2] If more than one well is being treated by the same removal system, a raw water sample must be collected from each well

[3] Minimum run time before treated sample collection should be 30 minutes (except where bacteriological series is required)

[4] The facility must be shut down overnight before bacteriological series samples (0', 2', 5', 10', 30') are collected from a clearwell (or a packed tower, if a clearwell is not available) and/or each GAC tank or battery/train of tanks.

[5] Daily testing by water system personnel is recommended.